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Attorney's Docket No.: 07334-138001

3043

1642

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shengfang Jin

Art Unit : 3043

Serial No. : 09/774,490

Examiner : K. Canella

Filed : January 31, 2001

Title : RESISTANCE SEQUENCES AND USES THEREOF

Commissioner for Patents  
Washington, D.C. 20231

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RESPONSE

In response to the action mailed May 7, 2002, please amend the application as follows:

In the claims:

Please cancel claims 1-4.

Please add claims 23-27 as follows.

#  
11/6A  
(2)  
4-10-03

23. A method for determining whether a test compound is a candidate compound for modulating the drug resistance of an eukaryotic cell, the method comprising:

a) determining the level of expression of a gene encoding an mRNA comprising a nucleotide sequence selected from the group consisting of the nucleotide sequence of any of GenBank Accession Numbers X85993, L26081, L24118, M92357, M25324, M25280, X81627, K03235, U54705, and U04313 in an eukaryotic cell in the presence of a test compound;

b) determining the level of expression of the gene in the eukaryotic cell in the absence of the test compound; and

c) identifying the compound as a candidate modulator of drug resistance of the eukaryotic cell if the level of expression of the gene in the eukaryotic cell in the presence of the test compound differs from the level of expression of the gene in the eukaryotic cell in the absence of the test compound.

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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